

METHODS FOR MAKING A CATALYTIC ELEMENT, THE CATALYTIC
ELEMENT MADE THEREFROM, AND CATALYZED PARTICULATE FILTERS

ABSTRACT OF THE DISCLOSURE

[0048] In one embodiment, a method for making a catalytic element comprises forming a first slurry of a promoter oxide precursor and a refractory inorganic oxide and calcining the first slurry to form a supported promoter. The supported promoter and a noble metal solution are combined to form a second slurry that is calcined to form a catalyst composition. The catalyst composition is applied to a substrate and the substrate is calcined to form the catalytic element. In one embodiment, the catalyzed particulate filter comprises a shell disposed around the catalytic element, wherein the shell has an inlet and an outlet, and a retention member disposed between at least a portion of the shell and the catalytic element.